

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #11
Progress Report
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill

Mayflower, AR
Latitude: 34.9638070 Longitude: -92.4286530

To: Dean Vanderhoff, ADEQ
Lawrence Stanton, EPA HQ
R6 PolRep OPA, Response and Prevention Branch
R6 PolRep AR, Response and Prevention Branch
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From: Nicolas Brescia, OSC

Date: 4/24/2013

Reporting Period: 4/17/2013 through 4/23/2013

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: OPA	Response Type: Emergency
Response Lead: PRP	Incident Category: Removal Assessment
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 3/29/2013	Start Date: 3/29/2013
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

Transportation-Related: Pipeline Spill

1.1.2 Site Description

1.1.2.1 Location

The pipeline spill occurred in a residential neighborhood in Mayflower, Faulkner County, Arkansas (34.963807 Latitude, -92.428653 Longitude). Due to elevated VOC readings and due to the amount of oil present on the ground and in the street, 22 residential homes were evacuated along N. Starlite Road. (Evacuated residential home number was revised from previous pollution reports to reflect actual number of homes evacuated.)

1.1.2.2 Description of Threat

The damaged pipeline released Wabasca heavy crude oil into the North Woods Subdivision. Crude oil then flowed west along N. Starlite Road, into a bar ditch adjacent to a Union Pacific Railroad line, into an unnamed creek, and into a tributary to a cove of Lake Conway. Lake Conway is a tributary to the Arkansas River. Local residents have been evacuated from 22 homes due to elevated levels of VOCs and benzene detected in the source area of the spill.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The source was a Pegasus Line that connects Patoka, IL to Nederland, TX, approximately 850 miles long. The 20-inch pipeline has a capacity of 95,000 barrels per day. The pipeline is buried 24 inches deep with a distance of 18 miles between isolation valves. The pipeline release began Friday afternoon 29 March 2013. The break in the line was isolated and the pipeline stopped leaking oil at approximately 0300 hours 30 March 2013. The RP is estimating approximately 5,000 bbl of oil has been released.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

April 17 - April 23, 2013

EPA within Unified Command revised the re-entry procedure to include indoor air sampling for residents in the impacted area. No re-entries occurred during this operational period. Twenty-four hour outdoor air monitoring continued through the operational period. EPA START continued daily routine air monitoring throughout the impacted neighborhood. There were no significant readings for VOCs. One EPA START was demobilized.

A media tour was conducted at the site on 4/20. Two members from the U.S. House of Representatives visited the site on 4/21.

OSC Smith replaced OSC Mason on 4/20. OSC Brescia transitioned with OSC Rhotenberry on 4/23. OSC McAteer demobilized from the site on 4/18.

The RP continues removal of a portion of the storm sewer and water line adjacent to Starlite Road. Operations continue in the North Woods Subdivision where 22 homes remain evacuated. Operations also continue in the Bell Cove of Lake Conway which remains isolated from the larger body of water at Highway 89.

A grid is being established over Bell Cove (Division B). The grid is being established to help clean-up crews monitor progress as response efforts continue within the cove area.

During this operational period Unified Command conducted a site walk on the ditch area along North Main Street and the creek area between North Main Street and I-40. The Unified Command signed off on transitioning these areas from emergency response to the remediation phase. The Unified Command consists of the EPA FOSC, the ADEQ SOSC, Faulkner County LOSC, and the RP.

ADEQ continues to sample Lake Conway to verify no oil is present.

Approximately 28,489 bbl oil/water mixture has been collected to date. The total amount of oil/water collected has been reduced due to actual gauging of the frac tanks that occurred on 4/23/2013.

OSC Brescia increased the FPN ceiling to \$600,000.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

The Pegasus pipeline is operated by ExxonMobil Pipeline Company.

2.1.4 Progress Metrics

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Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Oil and Water		28,489* bbl			
Soils		208 - 20yd ³ Boxes			
Oiled Debris		79 - 20yd ³ Boxes			
Wood Chips		70 - 20yd ³ Boxes			

* Oily liquid recovered and stored quantity reconciled after gauging on 4/23/2013.

2.2.1 Anticipated Activities

Unified Command will continue to provide the community and media with high priority and responsiveness. Execute approved plans and assess progress on daily basis.

2.2.1.1 Planned Response Activities

EPA START and RP's contractor will continue independent area air monitoring to identify VOC levels in the impacted residential areas.

Continue the re-entry process for the evacuated residents as needed.

Continue recovery of relatively small amounts of remaining oil and oiled debris.

2.2.1.2 Next Steps

For planning purposes, began development of smooth transition from the response phase to the long-term assessment and remediation phase.

2.2.2 Issues

There continues to be high interest from local and national media and activist groups.

2.2 Planning Section

No information available at this time.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
PRFA w/ US FWS	\$17,500.00	\$17,500.00	\$0.00	0.00%
TAT/START	\$300,000.00	\$146,500.00	\$153,500.00	51.17%
Intramural Costs				
USEPA - Direct	\$210,500.00	\$129,000.00	\$81,500.00	38.72%
USEPA - InDirect	\$72,000.00	\$72,000.00	\$0.00	0.00%
Total Site Costs	\$600,000.00	\$365,000.00	\$235,000.00	39.17%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

ExxonMobil Representatives
Federal and State Agencies

3.2 Cooperating Agencies

Arkansas Department of Environmental Quality
Arkansas Department of Emergency Management
Arkansas Game and Fish
Arkansas Department of Health
Faulkner County Emergency Management
Mayflower Fire Department
Mayflower Police Department
Faulkner County Judge
US FWS

4. Personnel On Site

3 - EPA personnel (Incident Command, Planning, Operations, PIO)

1 - EPA START personnel (air monitoring)

5. Definition of Terms

RP - Responsible Party

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/exxonmayflower

6.2 Reporting Schedule

Operational Period 10 (4/17/2013 through 4/23/2013).

7. Situational Reference Materials

No information available at this time.